

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/095270 A1

(51) International Patent Classification⁷: **C01B 13/32**,
H01M 8/12, 4/88

(21) International Application Number:
PCT/EP2004/003618

(22) International Filing Date: 30 March 2004 (30.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **PIRELLI & C. S.P.A.** [IT/IT]; Via Gaetano Negri, 10, I-20123 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SIN XICOLA, Agustín** [ES/IT]; Pirelli Labs S.P.A., Viale Sarca 222, I-20126 Milano (IT). **DUBITSKY, A. Yuri** [RU/IT]; Pirelli Labs S.p.A., Viale Sarca, 222, I-20126 Milano (IT). **ALBIZZATI, Enrico** [IT/IT]; Pirelli Labs S.p.A., Viale Sarca, 222, I-20126 Milano (IT). **KOPNIN, Evgeny** [RU/IT]; Pirelli Labs S.P.A., Viale Sarca 222, I-20126 Milano (IT). **RODA, Elena** [IT/IT]; Pirelli Labs S.P.A., Viale Sarca 222, I-20126 Milano (IT).

(74) Agents: **BOTTERO, Claudio** et al.; Porta Checcacci & Associati S.p.A., Via Trebbia, 20, I-20135 Milano (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

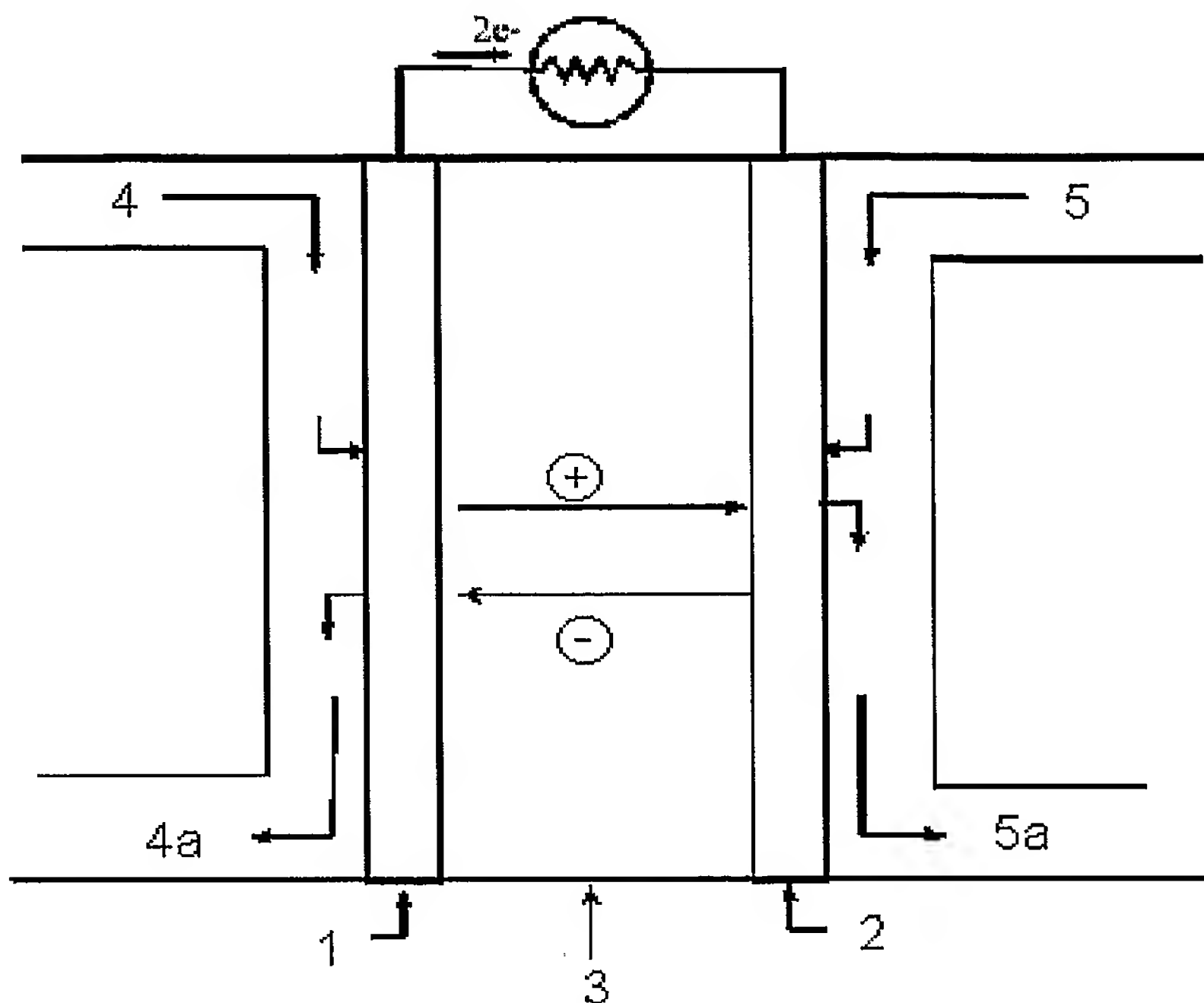
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR MANUFACTURING AN ELECTROCHEMICAL DEVICE



(57) Abstract: Process for manufacturing an electrochemical device including a cathode, an anode and at least one electrolyte membrane disposed between said anode and said cathode, wherein at least one of the cathode, the anode and the electrolyte membrane, contains at least a ceramic material.

WO 2005/095270 A1